OIPE

CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/029,347 ENTERED

CRF Processing Date: 1/22/2002
Edited by:
Verified by: _____ (STIC staff)

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:

_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:

_____

☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:

_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:

_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as _____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:

_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:

_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:

_____

_____

_____

_____

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

OIPE

RAW SEQUENCE LISTING DATE: 01/22/2002
PATENT APPLICATION: **US/10/029,347** TIME: 19:33:20

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01222002\J029347.raw**

RS

3 <110> APPLICANT: Bristol-Myers Squibb Company
5 <120> TITLE OF INVENTION: A NOVEL HUMAN LEUCINE-RICH REPEAT CONTAINING PROTEIN EXPRESSED
6 PREDOMINATELY IN SMALL INTESTINE, HLRRSI1
8 <130> FILE REFERENCE: D0066
C--> 10 **<140> CURRENT APPLICATION NUMBER: US/10/029,347**
C--> 10 **<141> CURRENT FILING DATE: 2001-12-20**
10 <160> NUMBER OF SEQ ID NOS: 28
12 <170> SOFTWARE: PatentIn version 3.0
14 <210> SEQ ID NO: 1
15 <211> LENGTH: 2689
16 <212> TYPE: DNA
17 <213> ORGANISM: homo sapiens
19 <400> SEQUENCE: 1

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22 cgccggtgcc gcagatgctg gcccagccgc agcggctgct cttcatcctg gacggcgcgg    120
24 acgagctgcc ggcgctgggg ggccccgagg ccgcgccctg cacagacccc ttcgaggcgg    180
26 cgagcggcgc gcgggtgcta ggcgggctgc tgagtaaggc gctgctgccc acggccctcc    240
28 tgctggtgac cacgcgcgcc gccgcccccg ggaggctgca gggccgcctg tgttccccgc    300
30 agtgcgccga ggtgcgcggc ttctccgaca aggacaagaa gaagtatttc tacaagttct    360
32 tccgggatga gaggagggcc gagcgcgcct accgcttcgt gaaggagaac gagacgctgt    420
34 tcgcgctgtg cttcgtgccc ttcgtgtgct ggatcgtgtg caccgtgctg cgccagcagc    480
36 tggagctcgg tcgggacctg tcgcgcacgt ccaagaccac cacgtcagtg tacctgcttt    540
38 tcatcaccag cgttctgagc tcggctccgg tagccgacgg gccccggttg cagggcgacc    600
40 tgcgcaatct gtgccgcctg gccccgcgagg gcgtcctcgg acgcagggcg cagtttgccg    660
42 agaaggaact ggagcaactg gagcttcgtg gctccaaagt gcagacgctg tttctcagca    720
44 aaaaggagct gccgggcgtg ctggagacag aggtcacctа ccagttcatc gaccagagct    780
46 tccaggagtt cctcgcggca ctgtcctacc tgctggagga cggcggggtg cccaggaccg    840
48 cggctggcgg cgttgggaca ctcctgcgtg gggacgccca gccgcacagc cacttggtgc    900
50 tcaccacgcg cttcctcttc ggactgctga gcgcggagcg gatgcgcgac atcgagcgcc    960
52 acttcggctg catggtttca gagcgtgtga agcaggaggc cctgcggtgg gtgcagggac   1020
54 agggacaggg ctgccccgga gtggcaccag aggtgaccga gggggccaaa gggctcgagg   1080
56 acaccgaaga gccagaggag gaggaggagg gagaggagcc caactaccca ctggagttgc   1140
58 tgtactgcct gtacgagacg caggaggacg cgtttgtgcg ccaagccctg tgccggttcc   1200
60 cggagctggc gctgcagcga gtgcgcttct gccgcatgga cgtggctgtt ctgagctact   1260
62 gcgtgaggtg ctgccctgct ggacaggcac tgcggctgat cagctgcaga ttggttgctg   1320
64 cgcaggagaa gaagaagaag agcctgggga agcggctcca ggccagcctg ggtggcggca   1380
66 gttctcaagg caccacaaaa caactgccag cctcccttct tcatccactc tttcaggcaa   1440
68 tgactgaccc actgtgccat ctgagcagcc tcacgctgtc ccactgcaaa ctccctgacg   1500
70 cggtctgccg agacctttct gaggcctga gggcagcccc cgcactgacg gagctgggcc   1560
72 tcctccacaa caggctcagt gaggcgggac tgcgtatgct gagtgagggc ctagcctggc   1620
74 cgcagtgcag ggtgcagacg gtcagggtac agctgcctga ccccagcga gggctccagt   1680
76 acctggtggg tatgcttcgg cagagccccg ccctgaccac cctggatctc agcggctgcc   1740
78 aactgcccgc ccccatggtg acctacctgt gtgcagtcct gcagcaccag ggatgcggcc   1800
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RAW SEQUENCE LISTING DATE: 01/22/2002
PATENT APPLICATION: US/10/029,347 TIME: 19:33:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01222002\J029347.raw

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 80 tgcagaccct cagtctggcc tctgtggagc tgagcgagca gtcactacag gagcttcagg   1860
 82 ctgtgaagag agcaaaqccq gatctggtca tcacacaccc agcgctggac ggccacccac   1920
 84 aacctcccaa ggaactcatc tcgaccttct gaggctctgg tggccagagc agggtggaag   1980
 86 accctagtca aagtccctgt ggagagaacg gcccattcca agggcaggag gatattgctc   2040
 88 tcggcctttg ggaaacttct gagccgagag gccgcagaca ggcatgtggg aggcccagac   2100
 90 acggcaccct gccccgtcca ggacaggccc aggacctgcc cctctctcca cacctggggt   2160
 92 accccttctc ccccagcccc accactactc cacccacctt cctctcctga gaccctccag   2220
 94 ccattcccct tgaaaacacc ccccgacccc aagccacaat aatgacagcg agagctccaa   2280
 96 ttaactaagc acctacctgg cggcagaata accctcact gcctgatccc catctgcagt   2340
 98 gtggcccaac agccccccaga actatgccca catagactgg aggtaggcag ttcaccgtcc   2400
100 ctccctgtta ggaatgagac catccctgag gctatggccc aggcccacag gcgtccagtg   2460
102 tctgagatct ttgggaaggg agactagggc aggtggagac agcgcagaac ccccgtgctg   2520
104 ggtgggaagc atgaccacat ggtgggtgag cagccccccat gcactgacgg taaattcccc   2580
106 tgtggactca tttctgttgg tttctattac acctggccag gcgtggtaca atacaggtcg   2640
108 gtgctcacaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa               2689
111 <210> SEQ ID NO: 2
112 <211> LENGTH: 625
113 <212> TYPE: PRT
114 <213> ORGANISM: homo sapiens
116 <400> SEQUENCE: 2
118 Met Leu Ala Gln Pro Gln Arg Leu Leu Phe Ile Leu Asp Gly Ala Asp
119 1               5                  10                  15
121 Glu Leu Pro Ala Leu Gly Gly Pro Glu Ala Ala Pro Cys Thr Asp Pro
122             20                  25                  30
124 Phe Glu Ala Ala Ser Gly Ala Arg Val Leu Gly Gly Leu Leu Ser Lys
125         35                  40                  45
127 Ala Leu Leu Pro Thr Ala Leu Leu Leu Val Thr Thr Arg Ala Ala Ala
128     50                  55                  60
130 Pro Gly Arg Leu Gln Gly Arg Leu Cys Ser Pro Gln Cys Ala Glu Val
131 65                  70                  75                  80
133 Arg Gly Phe Ser Asp Lys Asp Lys Lys Lys Tyr Phe Tyr Lys Phe Phe
134                 85                  90                  95
136 Arg Asp Glu Arg Arg Ala Glu Arg Ala Tyr Arg Phe Val Lys Glu Asn
137             100                 105                 110
139 Glu Thr Leu Phe Ala Leu Cys Phe Val Pro Phe Val Cys Trp Ile Val
140         115                 120                 125
142 Cys Thr Val Leu Arg Gln Gln Leu Glu Leu Gly Arg Asp Leu Ser Arg
143     130                 135                 140
145 Thr Ser Lys Thr Thr Thr Ser Val Tyr Leu Leu Phe Ile Thr Ser Val
146 145                 150                 155                 160
148 Leu Ser Ser Ala Pro Val Ala Asp Gly Pro Arg Leu Gln Gly Asp Leu
149                 165                 170                 175
151 Arg Asn Leu Cys Arg Leu Ala Arg Glu Gly Val Leu Gly Arg Arg Ala
152             180                 185                 190
154 Gln Phe Ala Glu Lys Glu Leu Glu Gln Leu Glu Leu Arg Gly Ser Lys
155         195                 200                 205
157 Val Gln Thr Leu Phe Leu Ser Lys Lys Glu Leu Pro Gly Val Leu Glu
158     210                 215                 220
160 Thr Glu Val Thr Tyr Gln Phe Ile Asp Gln Ser Phe Gln Glu Phe Leu
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PATENT APPLICATION: US/10/029,347 TIME: 19:33:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01222002\J029347.raw

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161 225                 230                 235                 240
163 Ala Ala Leu Ser Tyr Leu Leu Glu Asp Gly Gly Val Pro Arg Thr Ala
164                 245                 250                 255
166 Ala Gly Gly Val Gly Thr Leu Leu Arg Gly Asp Ala Gln Pro His Ser
167             260                 265                 270
169 His Leu Val Leu Thr Thr Arg Phe Leu Phe Gly Leu Leu Ser Ala Glu
170         275                 280                 285
172 Arg Met Arg Asp Ile Glu Arg His Phe Gly Cys Met Val Ser Glu Arg
173     290                 295                 300
175 Val Lys Gln Glu Ala Leu Arg Trp Val Gln Gly Gln Gly Gln Gly Cys
176 305                 310                 315                 320
178 Pro Gly Val Ala Pro Glu Val Thr Glu Gly Ala Lys Gly Leu Glu Asp
179                 325                 330                 335
181 Thr Glu Glu Pro Glu Glu Glu Glu Glu Gly Glu Glu Pro Asn Tyr Pro
182             340                 345                 350
184 Leu Glu Leu Leu Tyr Cys Leu Tyr Glu Thr Gln Glu Asp Ala Phe Val
185         355                 360                 365
187 Arg Gln Ala Leu Cys Arg Phe Pro Glu Leu Ala Leu Gln Arg Val Arg
188     370                 375                 380
190 Phe Cys Arg Met Asp Val Ala Val Leu Ser Tyr Cys Val Arg Cys Cys
191 385                 390                 395                 400
193 Pro Ala Gly Gln Ala Leu Arg Leu Ile Ser Cys Arg Leu Val Ala Ala
194                 405                 410                 415
196 Gln Glu Lys Lys Lys Lys Ser Leu Gly Lys Arg Leu Gln Ala Ser Leu
197             420                 425                 430
199 Gly Gly Gly Ser Ser Gln Gly Thr Thr Lys Gln Leu Pro Ala Ser Leu
200         435                 440                 445
202 Leu His Pro Leu Phe Gln Ala Met Thr Asp Pro Leu Cys His Leu Ser
203     450                 455                 460
205 Ser Leu Thr Leu Ser His Cys Lys Leu Pro Asp Ala Val Cys Arg Asp
206 465                 470                 475                 480
208 Leu Ser Glu Ala Leu Arg Ala Ala Pro Ala Leu Thr Glu Leu Gly Leu
209                 485                 490                 495
211 Leu His Asn Arg Leu Ser Glu Ala Gly Leu Arg Met Leu Ser Glu Gly
212             500                 505                 510
214 Leu Ala Trp Pro Gln Cys Arg Val Gln Thr Val Arg Val Gln Leu Pro
215         515                 520                 525
217 Asp Pro Gln Arg Gly Leu Gln Tyr Leu Val Gly Met Leu Arg Gln Ser
218     530                 535                 540
220 Pro Ala Leu Thr Thr Leu Asp Leu Ser Gly Cys Gln Leu Pro Ala Pro
221 545                 550                 555                 560
223 Met Val Thr Tyr Leu Cys Ala Val Leu Gln His Gln Gly Cys Gly Leu
224                 565                 570                 575
226 Gln Thr Leu Ser Leu Ala Ser Val Glu Leu Ser Glu Gln Ser Leu Gln
227             580                 585                 590
229 Glu Leu Gln Ala Val Lys Arg Ala Lys Pro Asp Leu Val Ile Thr His
230         595                 600                 605
232 Pro Ala Leu Asp Gly His Pro Gln Pro Pro Lys Glu Leu Ile Ser Thr
233     610                 615                 620
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PATENT APPLICATION: US/10/029,347 TIME: 19:33:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01222002\J029347.raw

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235 Phe
236 625
238 <210> SEQ ID NO: 3
239 <211> LENGTH: 1429
240 <212> TYPE: PRT
241 <213> ORGANISM: homo sapiens
243 <400> SEQUENCE: 3
245 Met Ala Gly Gly Ala Trp Gly Arg Leu Ala Cys Tyr Leu Glu Phe Leu
246 1               5                  10                  15
248 Lys Lys Glu Glu Leu Lys Glu Phe Gln Leu Leu Leu Ala Asn Lys Ala
249             20                  25                  30
251 His Ser Arg Ser Ser Ser Gly Glu Thr Pro Ala Gln Pro Glu Lys Thr
252         35                  40                  45
254 Ser Gly Met Glu Val Ala Ser Tyr Leu Val Ala Gln Tyr Gly Glu Gln
255     50                  55                  60
257 Arg Ala Trp Asp Leu Ala Leu His Thr Trp Glu Gln Met Gly Leu Arg
258 65                  70                  75                  80
260 Ser Leu Cys Ala Gln Ala Gln Glu Gly Ala Gly His Ser Pro Ser Phe
261                 85                  90                  95
263 Pro Tyr Ser Pro Ser Glu Pro His Leu Gly Ser Pro Ser Gln Pro Thr
264             100                 105                 110
266 Ser Thr Ala Val Leu Met Pro Trp Ile His Glu Leu Pro Ala Gly Cys
267         115                 120                 125
269 Thr Gln Gly Ser Glu Arg Arg Val Leu Arg Gln Leu Pro Asp Thr Ser
270     130                 135                 140
272 Gly Arg Arg Trp Arg Glu Ile Ser Ala Ser His Leu Tyr Gln Ala Leu
273 145                 150                 155                 160
275 Pro Ser Ser Pro Asp His Glu Ser Pro Ser Gln Glu Ser Pro Asn Ala
276                 165                 170                 175
278 Pro Thr Ser Thr Ala Val Leu Gly Ser Trp Gly Ser Pro Pro Gln Pro
279             180                 185                 190
281 Ser Leu Ala Pro Arg Glu Gln Glu Ala Pro Gly Thr Gln Trp Pro Leu
282         195                 200                 205
284 Asp Glu Thr Ser Gly Ile Tyr Tyr Thr Glu Ile Arg Glu Arg Glu Arg
285     210                 215                 220
287 Glu Lys Ser Glu Lys Gly Arg Pro Pro Trp Ala Ala Val Val Gly Thr
288 225                 230                 235                 240
290 Pro Pro Gln Ala His Ser Ser Leu Gln Pro His His His Pro Trp Glu
291                 245                 250                 255
293 Pro Ser Val Arg Glu Ser Leu Cys Ser Thr Trp Pro Trp Lys Asn Glu
294             260                 265                 270
296 Asp Phe Asn Gln Lys Phe Thr Gln Leu Leu Leu Leu Gln Arg Pro His
297         275                 280                 285
299 Pro Arg Ser Gln Asp Pro Leu Val Lys Arg Ser Trp Pro Asp Tyr Val
300     290                 295                 300
302 Glu Glu Asn Arg Gly His Leu Ile Glu Ile Arg Asp Leu Phe Gly Pro
303 305                 310                 315                 320
305 Gly Leu Asp Thr Gln Glu Pro Arg Ile Val Ile Leu Gln Gly Ala Ala
306                 325                 330                 335
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RAW SEQUENCE LISTING DATE: 01/22/2002
PATENT APPLICATION: US/10/029,347 TIME: 19:33:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01222002\J029347.raw

```
308 Gly Ile Gly Lys Ser Thr Leu Ala Arg Gln Val Lys Glu Ala Trp Gly
309             340                 345                 350
311 Arg Gly Gln Leu Tyr Gly Asp Arg Phe Gln His Val Phe Tyr Phe Ser
312         355                 360                 365
314 Cys Arg Glu Leu Ala Gln Ser Lys Val Val Ser Leu Ala Glu Leu Ile
315     370                 375                 380
317 Gly Lys Asp Gly Thr Ala Thr Pro Ala Pro Ile Arg Gln Ile Leu Ser
318 385                 390                 395                 400
320 Arg Pro Glu Arg Leu Leu Phe Ile Leu Asp Gly Val Asp Glu Pro Gly
321                 405                 410                 415
323 Trp Val Leu Gln Glu Pro Ser Ser Glu Leu Cys Leu His Trp Ser Gln
324             420                 425                 430
326 Pro Gln Pro Ala Asp Ala Leu Leu Gly Ser Leu Leu Gly Lys Thr Ile
327         435                 440                 445
329 Leu Pro Glu Ala Ser Phe Leu Ile Thr Ala Arg Thr Thr Ala Leu Gln
330     450                 455                 460
332 Asn Leu Ile Pro Ser Leu Glu Gln Ala Arg Trp Val Glu Val Leu Gly
333 465                 470                 475                 480
335 Phe Ser Glu Ser Ser Arg Lys Glu Tyr Phe Tyr Arg Tyr Phe Thr Asp
336                 485                 490                 495
338 Glu Arg Gln Ala Ile Arg Ala Phe Arg Leu Val Lys Ser Asn Lys Glu
339             500                 505                 510
341 Leu Trp Ala Leu Cys Leu Val Pro Trp Val Ser Trp Leu Ala Cys Thr
342         515                 520                 525
344 Cys Leu Met Gln Gln Met Lys Arg Lys Glu Lys Leu Thr Leu Thr Ser
345     530                 535                 540
347 Lys Thr Thr Thr Thr Leu Cys Leu His Tyr Leu Ala Gln Ala Leu Gln
348 545                 550                 555                 560
350 Ala Gln Pro Leu Gly Pro Gln Leu Arg Asp Leu Cys Ser Leu Ala Ala
351                 565                 570                 575
353 Glu Gly Ile Trp Gln Lys Lys Thr Leu Phe Ser Pro Asp Asp Leu Arg
354             580                 585                 590
356 Lys His Gly Leu Asp Gly Ala Ile Ile Ser Thr Phe Leu Lys Met Gly
357         595                 600                 605
359 Ile Leu Gln Glu His Pro Ile Pro Leu Ser Tyr Ser Phe Ile His Leu
360     610                 615                 620
362 Cys Phe Gln Glu Phe Phe Ala Ala Met Ser Tyr Val Leu Glu Asp Glu
363 625                 630                 635                 640
365 Lys Gly Arg Gly Lys His Ser Asn Cys Ile Ile Asp Leu Glu Lys Thr
366                 645                 650                 655
368 Leu Glu Ala Tyr Gly Ile His Gly Leu Phe Gly Ala Ser Thr Thr Arg
369             660                 665                 670
371 Phe Leu Leu Gly Leu Leu Ser Asp Glu Gly Glu Arg Glu Met Glu Asn
372         675                 680                 685
374 Ile Phe His Cys Arg Leu Ser Gln Gly Arg Asn Leu Met Gln Trp Val
375     690                 695                 700
377 Pro Ser Leu Gln Leu Leu Leu Gln Pro His Ser Leu Glu Ser Leu His
378 705                 710                 715                 720
380 Cys Leu Tyr Glu Thr Arg Asn Lys Thr Phe Leu Thr Gln Val Met Ala
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VERIFICATION SUMMARY DATE: 01/22/2002
PATENT APPLICATION: US/10/029,347 TIME: 19:33:21

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\01222002\J029347.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:921 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7